

LANGLEY TECHNICAL GROUP

1. During this reporting period, the installation of two half-duplex HW-19A configurations was affected at Quarters Eye. (Logistics Communications Network)
2. Modifications were completed during this period to the ZVA position. The following features were added to the right side of the cabinet: An additional KSR, TD and 12 position switch with the necessary wiring to allow for the keying of reperforators 4, 5 and 6, singularly or collectively. An override switch allows the use of these reperforators while simultaneously keying reperforators 1, 2 and 3 from the left hand KSR and TD. When required, by operating the override switch, the left hand KSR and TD can key all six reperforators singularly or collectively.
3. Line 8GT336 FDX 100 WPM is now [redacted] circuit, normal through to associated equipments (by-passes [redacted] A coupling repeater, manufactured by the [redacted] tion, was installed [redacted] on the receive side here at the Langley Telephone Company main frame. 25X1A6B 25X1A6B
4. A Model-28 Three Circuit Printer Cabinet and one ASR were installed in Room 6B26 [redacted] Signal Center. The ASR will be utilized as a tape preparation and run-off position. 25X1A5A1 25X1A5A1
5. A Model-28 Printer Cabinet was removed from SSCB and installed in Room 7F36, OCI Signal Center, to provide more versatility in the OCI area.
6. An ASR was assembled, modified for sprocket feed, and installed in Room GA0503 (Special Projects Staff).
7. A typical HW-19A installation is being made in the Training Area. This installation will provide a training position for both Operations and Maintenance personnel, as well as a test position.
8. A second KW-26 circuit was installed and activated between Headquarters and [redacted]. 25X1A6B
9. On 1 January 1963, two KW-26 links were activated at NPIC, [redacted] One terminates in the Primary Facility Branch and the other in the [redacted] Signal Center. 25X1 25X1A6B
10. [redacted] To meet the requirements of this circuit, it was necessary to rewire a second KW-26 to the classified Patch Panel in the Frame Room. This will give us direct telecon capability from [redacted] to the White House. 25X1A2D1

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11. HW-19A Program

a. Listed below are the HW-19A's that were removed from the unclassified Patch Panel and placed on the Console switches 36A and B, 37A and B, 44A and B, 45A and B.

- 1) Logistics Number 1 - Line Number 42-GC-379
- 2) Fort Bragg Number 1 - Line Number 8-GT-327-CV
- 3) Logistics Number 2 - Line Number 42-GC-380
- 4) Fort Bragg Number 2 - Line Number 8-GT-328-CV

25X1A7B

b. The ☐ HW-19A call-up circuit, line number 42-GC-449, will remain on the patch panel for use as a tie-line to Room 1A07.

12. Low Level Keyers

a. Considerable trouble has been encountered with dirty contact assemblies. Dirty contacts resulted in considerable circuit distortion, which in turn caused faulty keying of monitor reperforators, terminal page printers, and KW-26 units. In each case, cleaning of the TD contacts cleared the problem.

b. One circuit will be set up for further tests of a keyer. The keyers were removed from all circuits only after it was found absolutely necessary because so much trouble had developed that traffic flow had been adversely affected.

13. Very High Frequency

a. Installed a new remote control console on S.O. net for NSO in Room 1E26.

25X1A6A

b. Temporarily installed a remote control console on S.O. net at ☐ to cover the move to that location.

c. Two troubles cleared on a security patrol vehicle (Langley).

d. Installed a "Disguise Communication Antenna" on a vehicle assigned to ADCC/OS/TR.

14. Microwave

25X1A6B

Responded to one trouble call on 20 January 1963. The trouble was found to be at ☐

15. The installation of the Musak System in the Medical Division Examining/Waiting Rooms was completed.

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16. KY-5

- a. Two major troubles were experienced due to the telephone circuit being out. The Telephone Company worked all day to clear the trouble.
- b. A meeting was held concerning the KY-5 installation in Room 2C15, [redacted] Present were Mr. [redacted] of Space Allocation, GSA Trades [redacted] and Mr. [redacted] The major problem was the air conditioner, which is now on order. 25X1A6D 25X1A6D 25X1A9A 25X1A9A
- c. The installation in Room 2C15 was held up awaiting the decision on whether two KY-5 systems were to be installed. The decision made by Security is that only one system will be installed.
- d. The installation on the Langley end will be determined by the air conditioning system and the availability of GSA's working force.

17. KY-1

- a. Installation of KY-1:
 - 1) Room 5C46/DIA has not been activated.
 - 2) Rooms 6B12 and 6N214A in [redacted] were installed but not activated due to the cross talk on the Telephone Company carrier system. 25X1A6A
- b. General KY-1 Information:
 - 1) KY-1 units were delivered to the following locations:
 - a) State Department, Room 8667
 - b) State Department, Room 6530
 - c) State Department, Room 6535
 - d) State Department, Room 3486
 - 2) Correct KY-1 output levels were set in Room 1H66, Langley.
 - 3) Considerable troubles are being encountered in the SSZ-13 applique, which was purchased from the Air Force. The large "standby/ready" relay requires a critical adjustment and the contacts have to be burnished frequently. Most of the trouble reports are due to this unit. The Air Force also has the same problem.

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4) Two extensions were removed from Room 5B2826, 1717 "H" Street. One of these extensions was used to replace the older type phone in Room EOB 300. The user complained that the old type phone was too heavy.

18. As of 31 January 1963 a total of one hundred and sixty-four (164) hours of overtime has been expended.

19. The total expenditures for Fiscal Year 1963 as of 21 January 1963 are \$101,103.12.

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TECHNICAL GROUP

1. 481 requisitions totaling 1,483 items were processed (23,109 pieces).
2. 1,050 purchase orders totaling 1,776 items were processed (52,067 pieces).
3. 42 PTI vouchers totaling 106 items were processed (335 pieces).
4. The Crystal Processing Unit has become almost current with only 7 requisitions and 217 units backlogged.

25X1A5A1

5. [] is planning to set up an inspection line at [] Alexandria, to final test their equipment prior to delivery. This decision is based on the number of receiving rejections necessary.

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25X1A9A

6. Mr. [] redesigned the external calibrator of the RRD/11 receiver to minimize the undesired responses. He is presently designing an internal calibrator for the receiver.

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7. Mr. [] was TDY [] for acceptance inspection of two 208U-10 linear amplifiers and to []

25X1A5A1

25X1A5A1

[] to examine modifications to be made on their HFL-1000 linear amplifier. An inspection trip to the [] Depot was included.

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25X1

25X1A5A1

8. Approximately 596 overtime hours, including the [] time, were expended during the month.

ADMINISTRATIVE

PCS

25X1A6B

25X1A9A

[]

[]

3 January 1963
7 January 1963
29 January 1963

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